U. S. F. C.
Records.

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1078 to 1121

SHOUT
SHARE
IT

Copy

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Stations 1078 to

1078

Astrophyton agassizii, abdt.
Alcyonium carneum, rare,
Strongylocentrotus drobach. (1)
Asterias vulgaris
Cenodiscus crispatus
Leptasterias compta.
Rossia Atlantici
Cyprina Islandica
Fusus decemcostatus

All bearings
Magnetic.

Buccinum undatum
Cupanurus
Pandalus
Ophiopholis aculeata
Mysis,
Solaster endeca 1 large
Depht Thompsoni.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1078.

Date, Aug. 2. 1882

Locality, off Cape Cod

Bearings, Nahsett Beacons N. W. 1/4 N, dist. 10 miles

Time of day, 7.30 A.; of tide,

State of sky, b.c.

Temperature of air, 72. Sig. serv. Therm.

" surface of water, 63° N.Z. 47996

" at depth of 5 fathoms, 56° & 10 of 40°

" of bottom, 37. N.Z. 47995.

Depth, in fathoms, 53-55.

Nature of bottom, green mud. fine sand

Direction of ~~surface current~~ wind, W. S. W. force 3.

~~Force of surface current~~ drift, S. by W. 1/2 m.

Direction of bottom current,

Force of bottom current,

Name of vessel, Fish Hawk.

To what service attached, U. S. F. C.

Name and rank of commanding officer, Lieut J. L. Tanner. U. S. N.

Name and position of observer,

J. B. Bluit
Midn. U. S. N.

1079.

REMARKS.

Astropolylon Agassizii Abbt
Lepas decemcostatus v.
Cyprina Islandica
Macoma fabulosa
Terebratulina
Lacazeon arctica
Glauconia peligna
Anomia aculeata
Astarte lens Wolf
Turritella callosa

TEMPERATURE RECORD.

Instrument used, Trawl.

Current number of observation, 1079.

Date, Aug. 2, 82.

Locality, off Cape Cod.

Bearings, Hauset Beacon
N. W. by W. ½ W, 8¼ m

Time of day, 8.40 A. of tide,

State of sky, b. c.

Temperature of air, 69.

" surface of water, 63.5

" at depth of 5 fathoms, 56.5

" of bottom, 37.

Depth, in fathoms, 59-61½

Nature of bottom, fine sand

Direction of surface current,

Force of surface current, Drift E. S. E. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1080.

REMARKS.

Astrophytum Agassizii, very abdt.
Sipho decemcostatus.
Hyas. Eupagurus.
Asterias vulgaris, very large.
Pecten Islandicus.
Saxicava Norvegica
" arctica
Cyprina Islandica
Ghemeris
Cardium Islandicum.
Sipho Stimpsoni
Macoma tabulosa
Buccinum undatum
Aporrhais occidentalis
Anomia aculeata
Hippasteria phrygiana
Solaster endeca.
Urticina callosa
Boloceria Tuediae.
Cleodoxus crispatus.
Chalina

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1080.

Date, Aug. 2. 1882

Locality, Off Cape Cod

Bearings, Nauset Beacon N. W. by W. ½ W. 6½ m

Time of day, 9.40 A.M. of tide,

State of sky, l. c.

Temperature of air, 69.

" surface of water, 61.5

" at depth of 5 fathoms, 56.

" of bottom, 37.

Depth, in fathoms, 53-55.

Nature of bottom, fine sand

Direction of surface current,

Force of ~~surface current~~ drift N. N. W. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1081.

REMARKS.

Cardin Icelandicum
Gymnenis siliqua
Sipho Icelandicum
Spesula ovalis
Modolania discors.
Pecten Islandicus
Saxicava arctica
Buccinum undatum.
Macoma tabulosa
Sipho decemcostatum.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1081.

Date, Aug. 2. 1882

Locality, Off Cape Cod

Bearings, Nauset Beacon N. by. E., 5½ miles

Time of day, 10.50 ; of tide, m.

State of sky, b. c.

Temperature of air, 69.

" surface of water, 59.

" at depth of 10 fathoms, 40.

" of bottom, 39.

Depth, in fathoms, 32 to 33½

Nature of bottom, Coarse gravel & pebbles

Direction of surface current,

Force of surface current, N. N. by N. 1 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1882.

REMARKS.

Specimens deficient
in pinnules and
Thodiola rhodiola

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1082

Date, Aug. 2. 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light. N. W. 3/4 N., 11½ miles

Time of day, 11.45 A.M. of tide,

State of sky, b. c.

Temperature of air, 70°

" surface of water, 59

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 27 - 28.

Nature of bottom, Coarse gravel

Direction of surface current,

Force of surface current, Light N. W. by N. ¼ mile,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1083.

REMARKS.

Cyprina Islandica
Aporrhais occidentalis
Gyrineum obliqua
Lepton Steinpsoni
Yoldia Islandica
Leptalia caeca?
Euparyus
Astarte undata.

TEMPERATURE RECORD.

Instrument used, Thermometer

Current number of observation, 1083.

Date, Aug. 2, 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light-
N. by W. 15 miles

Time of day, 12.45 ; of tide, flow

State of sky, fine

Temperature of air, 77.

" surface of water, 64

" at depth of 10 fathoms, 42

" of bottom, 38.

Depth, in fathoms, 80-83½

Nature of bottom,

Direction of surface current,

Force of surface current, Light N. E. ½ mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

Assistant

1084.

REMARKS.

Penlacta pros dosa. Inglange.
Bolacea Tmediae.
Pandalus leptocerus?
Atyas.
Acalen 2dentatus.
Apseuda ovalis
Glycinens obliqua
Cyprina Islandica
Lepto 2tenuipesoni
Acalen tenuicornatus
Eupagurus
Balanus porcatus?
Anomia aculeata
Dolabella indeca.
Asterias rubens.
Hippasteria phrygiana
Leptasterias compta

TEMPERATURE RECORD.

Instrument used, Tanner

Current number of observation, 1084

Date, Aug. 2. 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light-
E by N. N. 3/4 N., 8 miles

Time of day, 2.20 P. Ebb tide.

State of sky, b. c.

Temperature of air, 78.

" surface of water, 62.5

" at depth of 10 fathoms, 43.5

" of bottom, 38.

Depth, in fathoms, 36-37 1/2

Nature of bottom, Coarse sand

Direction of surface current,

Force of surface current, Drift N. E. by N. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1085.

REMARKS.

Astrophyton Agassizii, var. abdt.
Pandalus.
Strongylocentrotus Drobachensis.
Alcyonium carneum
Lupagurus
Asterias vulgaris
Asterias Stimpsoni
Cribrella sanguinolenta
Hippasteria phrygiana
Solaster endeca
Cyprina Islandica
Cardium Islandicum
Saxicava arctica
Buccinum undatum
Sipho Stimpsoni
Glycimeris siliqua
Pecten tenuicostatus
Astarte lens,
Yoldia ovalis,
Apporhais occidentalis
Pecten Islandicus

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1085.

Date, Aug. 3, 1882

Locality, off Cape Cod

Bearings, Race Point light
S. 33° E. 2 miles.

Time of day, 6, 15 a.m. of tide,

State of sky, f., c.,

Temperature of air, 67,

" surface of water, 64,

" at depth of 5 fathoms, 61, 10 fms. 43.

" of bottom, 39

Depth, in fathoms, 33 - 34½

Nature of bottom, fine sand, green mud

Direction of surface current,

Force of surface current, ~~light~~ S. by E. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1086.

REMARKS.

Laminaria
Asterophyllum Agassizii, Quantitis
Asterias vulgaris.
Pandalus septentrionis.
Ophiopholis aculeata
Septasterias Compta
Solaster endeca
Cribrella sanguinolenta
Alcyonium Carneum.
Pontocia pendora, / Large.
Sipho decemcostatus
Modiolas modiola
Cardium Icelandicum
Astarte crenata
Cyprina Icelandica
Pecten Icelandicus
Margarita obscura
Buccinum ciliata
Pleurotella Rosacina
Velutina haliotoidea

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1086,

Date, Aug. 3, 1882

Locality, Off Cape Cod

Bearings, Race Pt. Light
S. 20° W, 2 3/4 miles

Time of day, 7. am; of tide,

State of sky, b. c,

Temperature of air, 74,

" surface of water, 64.

" at depth of 1 0 fathoms, 44.

" of bottom. 39 1/2

Depth, in fathoms, 33 - 34,

Nature of bottom, fine sand.

Direction of surface current,

Force of surface current, drift S. 3/4 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1087.

REMARKS.

Hippasteria phrygiana
Agas.
Pandalus
Balaena Thedia.
" multicornis
Hydroids.
Bryozoa.
Cribrella sanguinolenta
Rossia
Sepia decamerlatus
Cardium Icelandicum
Spisula solidissima.
Cyprina Islandica
Pecten tenuicostatus
Lepeta coeca.
Saxicava arctica

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1087.

Date, Aug. 3, 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light S. S. W., 7 miles.

Time of day, 8.30 A.M.

State of sky, l. c.

Temperature of air, 84.

" surface of water, 62.5

" at depth of 5 fathoms, 46. 10 fm. 41.

" of bottom, 39.

Depth, in fathoms, 42-44.

Nature of bottom, gray sand

Direction of surface current,

Force of surface current, light Var. S W 1/2 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1088.

REMARKS.

Apporhais occidentale
Lepas decemvalvis.
Terebratulina septen.
Buccinum undatum
Cardium Islandicum
Necten "
" tenuicostatus
Astarte lens.
Cyprina Islandica
Saxicava Norvegica
Anomia aculeata
Lunatia
Natica Clausa
Macoma fabulosa
Modiolaria discors.
3 Cephalopods.
Ostrea undosa
Balanus Tintinn.
" multicornis.
Pandalus borealis
Hippasteria
Solaster, Porania,
Cribrella sanguinolenta
Sponges. Ophiopholis aculeata
Asteriadæ. Hydroids. Bryozoa.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1088

Date, Aug 3, 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light S. N. 3/4 W. 9 1/2 miles

Time of day, 9.50 of tide,

State of sky, C. C.

Temperature of air, 82.5

" surface of water, 62

" at depth of 5 fathoms, 59.5

" of bottom, 38.

Depth, in fathoms, 86-90

Nature of bottom, Coarse sand

Direction of surface current,

Force of surface current, drift N. W. 1 1/2 miles

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1089

Date, Aug. 3, 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light S. W. 3/4 W. 14 miles

Time of day, 1 h. 10; of tide, —

State of sky, b. c.

Temperature of air, 78.

" surface of water, 63.

" at depth of fathoms,

" of bottom, 38.5

Depth, in fathoms, 106-110.

Nature of bottom, grey mud

Direction of surface current,

Force of surface current, light N. W. by W. 3/4 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

Waterhouse

1090.

REMARKS.

Ap porkais occidentalis
Lavacava Norvegica
Astarte lens.
Yoldia Thraciformis
Pecten Icelandica
Mya truncata
Liopho pygmaea
Dentalium abriolatum
" occidentalis
Yoldia capatilla
Nucula arctica
Cardium pinnulatum
Leda tenuisculata
Macra sp.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1090

Date, Aug. 3. 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light
S. W. 3/4 W. 13 3/4 miles

Time of day, 11, 50 a.m.; of tide,

State of sky, f. c.,

Temperature of air, 81, 5

" surface of water, 62

" at depth of 5 fathoms, 56, 10 fms 52.

" of bottom, 38, 5

Depth, in fathoms, 106 = 110.

Nature of bottom, Grey mud

Direction of surface current,

~~Force of surface current.~~ Light N. S. W. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1091.

REMARKS.

Archaeles Americanus, Say abt.
Pandalus.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1091.

Date, Aug. 11. 1882.

Locality, Off Martha's Vineyard

Bearings, Lat. 40° 23' N

Long. 69° 44' W.

Time of day, 5.30 ; of tide,

State of sky, b. c.

Temperature of air, 77.

" surface of water, 75.

" at depth of 10 fathoms, 62.

" of bottom, 46.

Depth, in fathoms, 62 = 65 fms.

Nature of bottom, Grey sand & broken shells

Direction of surface current,

Force of ~~surface~~ current. drift N. W. by W. ½ mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1092.

REMARKS.

Archaeæ Floræ.
Pennatulæ aculeatæ
Anteadon.
Europæus.
Randalus.
Worm tubes.
Salenia fragilis

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1092

Date. Aug. 11. 1882

Locality, Off Martha's Vineyard

Bearings, Lat 39° 58' N.
Long. 69° 42' W.

Time of day, 6.54 ~~of tide~~

State of sky, b. c.

Temperature of air, 79

" surface of water, 75

" at depth of fathoms,

" of bottom, 41.

Depth, in fathoms, 194 = 202,

Nature of bottom, gray sand

Direction of surface current,

~~Force of surface current~~, N NW. W. 3/4 kn

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1093.

Date, Aug. 11, 1882

Locality, Off Martha's Vineyard

Bearings, Lat 39° 56' 0-0" N.
Long 69° 45' - W

Time of day, 8,35 a. ~~of tide~~

State of sky, F. c.

Temperature of air, 82

" surface of water, 75.

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 336 = 349

Nature of bottom, Sand & blue mud

Direction of surface current,

Force of surface current, ~~Light~~ N. N. W., 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Deep sea Trawl

Current number of observation, 1094.

Date, Aug. 11, 1882

Locality. S. of Marthas Vineyard

Bearings, Lat. 39° 57' N

Long. 69° 47' W

Time of day, 10.10 ; of tide,

State of sky, b. a

Temperature of air, 84.

" surface of water, 76

" at depth of fathoms.

" of bottom, 40.

Depth, in fathoms, 301.

Nature of bottom, blue mud

Direction of surface current,

Force of surface current, Light. N.W. by N. 1 mile

Direction of bottom current.

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Deep Sea Trawl

Current number of observation, 1095.

Date, Aug. 11. 1882

Locality, Off Martha's Vineyard

Bearings, Lat. 39° 55' 28" N.
Long. 69° 47' 0" W.

Time of day, 11, 55 A.M. of tide,

State of sky, b. c.

Temperature of air, 82-

" surface of water, 76.

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 321.

Nature of bottom, soft green mud

Direction of surface current,

~~Force of surface current~~, N. N. W. ½ W. 3/4 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl.

Current number of observation, 1096.

Date, Aug. 11. 1882

Locality, Off Martha's Vineyard

Bearings, Lat. 39° 53' N.
Long. 69° 47' W

Time of day, 1.39 P.M.; of tide,

State of sky, b. c.

Temperature of air, 78.

" surface of water, 75.5

" at depth of fathoms,

" of bottom, 49.

Depth, in fathoms, 317.

Nature of bottom, green mud

Direction of surface current,

Force of surface current, W. N. W. 1/2 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1097.

Date, Aug. 11. 1882

Locality, Off Matthias Vineyard

Bearings, Lat 39° 54' N.
Long. 69° 44' W

Time of day, 3.10 P.M. of tide

State of sky, b.c.

Temperature of air, 76.

" surface of water, 75.5

" at depth of fathoms,

" of bottom, 46.

Depth, in fathoms, 158.

Nature of bottom, fine sand

Direction of surface current,

Force of surface current, Light. N. ½ W. ½ mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Traut

Current number of observation, 1098.

Date, Aug. 11, 1882

Locality, Off Matthews Vineyard

Bearings, Lat. 39° 53 N.
Long, 69° 43. W

Time of day, 4.35 P.M., of tide,

State of sky, b. c.

Temperature of air, 78.

" surface of water, 75.

" at depth of fathoms,

" of bottom, 43.5

Depth, in fathoms, 156.

Nature of bottom, fine sand

Direction of surface current,

Force of surface current, Drift N by E. 3/4 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1099

Date. Aug. 18th 1882

Locality, Vineyard Sd.

Bearings, Robbins Pt Light
N. S. W. 1/4 W. 1 5/8 miles.

Time of day, 11,06; afternoon

State of sky, F. C.

Temperature of air, 76;

" surface of water, 72

" at depth of fathoms,

" of bottom, 71.5

Depth, in fathoms, 6,

Nature of bottom, Sand. Gravel

Direction of surface current,

Force of surface current, N. E by N. 1/2 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1100.

Date, Aug. 18. 1882.

Locality, Vineyard Sd

Bearings, Gay Head Light
N. 5. W. 7/4 W. 1 1/4 miles

Time of day, 11.47 A.M. ; of tide,

State of sky, b. c.

Temperature of air, 77.

" surface of water, 72.

" at depth of fathoms,

" " of bottom, 71.5

Depth, in fathoms, 4 3/4.

Nature of bottom, Sand. Trawl. Shells

Direction of surface current,

Force of surface current, N. E. by N. 1/2 m.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1101.

Date, Aug. 18, 1882

Locality, Vineyard Sd

Bearings, Noba Pt Light
W. by S. 1 1/2 miles.

Time of day, 12.15 P.M. of tide

State of sky, b.c

Temperature of air, 78.

" surface of water, 72.

" at depth of fathoms,

" of bottom, 71.

Depth, in fathoms, 5.

Nature of bottom, shells.

Direction of surface current,

Force of surface current, Drift, N.E. 1 m.

Direction of bottom current.

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1102

Date, Aug. 18. 1882

Locality, Vineyard Sd

Bearings, East Chop Light
N. by W. 3/4 W. 2 1/2 miles

Time of day, 1, 10 P.M. of tide,

State of sky, f. c.

Temperature of air, 73.

" surface of water, 70

" at depth of fathoms,

" of bottom, 69.

Depth, in fathoms, 5,

Nature of bottom, Coarse sand

Direction of surface current,

Force of surface current, Light. E. by S. 1/2 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1103.

Date, Aug. 18. 1882

Locality, Vineyard Sd

Bearings, East Chop. Light.
N. N. by W. 2 3/4 m

Time of day, 1, 42 P.M.

State of sky, O. C

Temperature of air, 70.

" surface of water, 70.

" at depth of fathoms,

" of bottom, 69.

Depth, in fathoms, 5.

Nature of bottom, Coarse sand

Direction of surface current,

Force of surface current, ~~Weak~~ E. by S. 1/4 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1104,

Date, Aug. 18, 1882

Locality, Vineyard Sd

Bearings, East Chop Light.
NW by N 1/2 N. 4 miles

Time of day, 2, 12 P, of tide.

State of sky, b. c.

Temperature of air, 79.

" surface of water, 70

" at depth of fathoms,

" of bottom, 69.

Depth, in fathoms, 8 1/2

Nature of bottom, Shells

Direction of surface current,

Force of surface current, NW by N. by N. 3/4 1/2 miles

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1105

Date, Aug. 18. 1882

Locality, Vineyard Sd.

Bearings, Cape Poge Light S. by W. 4 miles

Time of day, 3 P.M., of tide,

State of sky, b. c.

Temperature of air, 80.

" surface of water, 72

" at depth of fathoms,

" of bottom, 71.

Depth, in fathoms, 10.

Nature of bottom, Coarse sand

Direction of surface current,

Force of surface current, Drift N.E x E. ½ E. 2 miles

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1106

REMARKS.

1.0227 72
1.0227 72

TEMPERATURE RECORD.

Instrument used, Trave

Current number of observation, 1106

Date, Aug 18 1882

Locality, Vineyard Sound

Bearings, Gay Head Page's Pt. Nomans
S x W ½ W 5/8 miles

Time of day, 9.35 : of tide, began ebb 9 hours

State of sky, fc

Temperature of air, 80

" surface of water, 79 1/2

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 5

Nature of bottom, sand & shells

Direction of ~~surface current~~ Drift, N.E. Force 3

~~Force of surface current~~, N.E. x N 1/4 mile.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1107

REMARKS.

	Specific Gravity	
Surface	1.0244	67
2 fms	45	69
10 fms	48	68

Tow out 6.12 down 6.25
Leaving in 6.46 up 6.54
220 fms. out
Water Haul

TEMPERATURE RECORD.

Instrument used, Frame (came up empty)

Current number of observation, 1107

Date, Aug. 22 1882

Locality, Off Monthia Vineyard

Bearings, Lat 40°-02' N
Long. 71°-35' W

Time of day, 6.57 A.M. of tide.

State of sky, Fc

Temperature of air, 69 1/2

" surface of water, 71

" at depth of 5 fathoms, 71 1/2 10 fms 66

" of bottom, 48

Depth, in fathoms, 116

Nature of bottom, grey mud

Direction of ~~surface~~ current, N.S.W. Force 2

Force of ~~surface~~ current, N.W 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1108

REMARKS. Specific Gravities

Surface	1.0049	67
5 fms	42	68
10 fms	42	68

Transit was 6.56 down 7.07
leaving in 7.27 up 7.50
30 fms. out.

TEMPERATURE RECORD.

Instrument used, Trowe

Current number of observation, 1108

Date, Aug. 22 1882

Locality, S.W. Martha's Vineyard

Bearings, Lat. 41°- 02' N
Long. 70°- 37' 30" W

Time of day, 6.55 ; of tide.

State of sky, Fc

Temperature of air, 69½

" surface of water, 71

" at depth of fathoms,

" of bottom, 48

Depth, in fathoms, 101

Nature of bottom, Grey mud & fine sand

Direction of ~~surface current~~, Wind NNW. Force 2

~~Force of surface current~~, Drift NW ¾

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1109

REMARKS.

Specific Gravities

Surface	1.0249	66
5 fms	49	65
10 fms	44	68

Frame over 8.00 down 8.10
bearing in 8.40 up 8.50
950 fms out

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1109

Date, Aug. 22. 1882

Locality, Off Martha's Vineyard

Bearings, Lat. 40°-58' N
Long 70°-38' W

Time of day, 7.35 ; of tide,

State of sky, fc

Temperature of air, 71 1/2

" surface of water, 71

" at depth of fathoms,

" of bottom, 49

Depth, in fathoms, 89

Nature of bottom, Grey sand

Direction of ~~surface current~~ Wind, South force 2

Force of ~~surface current~~ Drift, N. N. W. 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1110

REMARKS.

Shoe. Gnav.

Surface	1,029.5	72
5 fms	35	72
10 "	37	71

Travel over 9.25 down 9.35
bearing in 10.05 up 10.18
950 fms out

TEMPERATURE RECORD.

Instrument used, Frame

Current number of observation, 1110

Date. Aug 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat. 40°-22' N
Long. 71°-33' W

Time of day, 8.16 ; of tide.

State of sky, Ac

Temperature of air, 75°

" surface of water, 72

" at depth of fathoms,

" of bottom, 47

Depth, in fathoms, 180

Nature of bottom, green mud & fine sand

Direction of ~~surface current~~ wind, N force 2

Force of ~~surface current~~ Dust, 1 x W 1/2 W 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1111

REMARKS.

Spec. Grav.

Surface	1.0299	71
5 fms	40	70
10 fms	40	72

Travel over 10.50 down 10.57
bearing in 11.30 up 11.40
37 fms out.

TEMPERATURE RECORD.

Instrument used. Deep Sea Thermometer

Current number of observation, 1111

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat 41° - 01.99" N
Long 70° - 93' W

Time of day, 10.43 ; of tide,

State of sky, Clear

Temperature of air, 76

" surface of water, 72 Alt = 46.02

" at depth of 3 fathoms, 71

" of bottom, 47

Depth, in fathoms, 224

Nature of bottom, fine sand

Direction of ~~surface current~~ wind, N.E. force 2

Force of ~~surface current~~ Drift N.N.E ½ E. 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1112

REMARKS.

	Spec. Grav.	
Surface	1.0220	69
5 fms	41	76
10 fms	48	69

Trawl was 12.45 down 1.05
hauling in 1.30 up 1.45
490 fms. out

TEMPERATURE RECORD.

Instrument used. Deep Sea Trawl

Current number of observation, 1112

Date, Aug 22 1882

Locality, Off Martha's Vineyard

Bearings. Latitude 39° - 36' N

Long. 70° - 35' W

Time of day, 12.43 ; of tide,

State of sky, h.c.

Temperature of air, 72

" surface of water, 72

" at depth of 5 fathoms, 72 . 16 fms 65°

" of bottom. 43

Depth, in fathoms, 248

Nature of bottom, green mud & sand

Direction of ~~surface current~~ Wind NW x W 1

Force of ~~surface current~~ Drift N. W. x W 1

Direction of bottom current. Temperature at 96 fms 49

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1113

REMARKS.

Spec. grav.

Surface	1.0240	68
5 fms	40	70
10 "	41	70

Trawl over 1.54 down 2.03
Hauling in 2.25 up 2.40
975 fms. out

TEMPERATURE RECORD.

Instrument used, Deep Sea Trawl

Current number of observation, 1113

Date, Aug. 22 1882

Locality, S of Martha's Vineyard

Bearings, Lat. 39° - 57' N
Long. 70° - 30' W

Time of day, 1.45 ; of tide,

State of sky, fc

Temperature of air, 75°

" surface of water, 72

" at depth of 5 fathoms, 71 1/2 " true 69 1/2

" of bottom, 48

Depth, in fathoms, 192

Nature of bottom, green mud

Direction of ~~surface~~ Wind current, N.E. force 2

~~Force of surface current~~ Drift, knots 1'

Direction of bottom current, Temperature at 20 fms 49

Force of bottom current, " " 30 " 46

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1117

REMARKS.

Transformer 2.48 down 2.55
Learning in 3.16 up 3.28
3.03 finer out

TEMPERATURE RECORD.

Instrument used. Deep Sea Frame

Current number of observation, 1114

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Latitude 39° - 35' N

Long. 73° - 38' W

Time of day. 2.40 ; of tide.

State of sky, bc

Temperature of air, 74

" surface of water, 72

" at depth of 5 fathoms, 71 1/2 10 fms 69

" of bottom, 43

Depth, in fathoms, 191

Nature of bottom, green mud

Direction of ~~surface~~ Wind current, N.E. force 2

Force of ~~surface~~ Drift current, 4 + 2 1'

Direction of bottom current, Temperature at 50 fms 49°

Force of bottom current, Temperature " 30 " 49°

Name of vessel.

To what service attached.

Name and rank of commanding officer,

Name and position of observer.

6 fathom Thermometer
X 613 # 47998

1115

REMARKS.

Dredge over 3.33 down 3.44
leaving in 4.11 up 4.20
277 fm sand
No fish.

TEMPERATURE RECORD.

Instrument used, Pohe Dredge

Current number of observation, 1113

Date, Aug. 28 1882

Locality, Off Martha's Vineyard

Bearings, Lat. 39° - 59' N

Long. 71° - 41' W

Time of day, 5.28 P.M. of tide,

State of sky, fc

Temperature of air, 75°

" surface of water, 72 1/2

" at depth of 5 fathoms, 72 Bottom 71

" of bottom, 45°

Depth, in fathoms, 146

Nature of bottom, green mud & sand

Direction of ~~surface current~~ Wind, N.E. force 2

~~Force of surface current~~ Drift N x W 1/2

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

11/6

REMARKS.

I have over 4.26 down 4.33
showing via 4.53. up 5.07
950 / mi. out
At 5.03 got sounding in
145 fms.

TEMPERATURE RECORD.

Instrument used, Frame

Current number of observation, 1116

Date, Aug. 22 1882

Locality, off Monhegan & beyond

Bearings, Lat. 43° 57' N
Long. 70° 02' W

Time of day, 4.20 ; of tide,

State of sky, b. c

Temperature of air, 77

" surface of water, 72

" at depth of 5 fathoms, 72 Time 68

" of bottom, 46

Depth, in fathoms, 144

Nature of bottom, hard sand & green mud

Direction of ~~surface~~ current, West S.E force 2

Force of surface current, Drift NW x W 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1117 REMARKS.

Transect over 5.37 down 5.41
leaving in 6.01 up 6.12
240 fms out

TEMPERATURE RECORD.

Instrument used. Trawl

Current number of observation, 1117

Date, Aug. 22 1882

Locality, Off Montauk Point, L.I.

Bearings, Lat. 40° - 02' N
Long. 72° - 45' W

Time of day, 2.30 : of tide.

State of sky, fc

Temperature of air, 78

" surface of water, 72

" at depth of 5 fathoms, 72 11fms 62

" of bottom, 48

Depth, in fathoms, 89

Nature of bottom. fine sand

Direction of ~~surface current~~, Mud N Force 8

Force of ~~surface current~~. Part NNE 1'

Direction of bottom current.

Force of bottom current,

Name of vessel,

To what service attached.

Name and rank of commanding officer,

Name and position of observer,

1118

REMARKS.

Trawl over 6.25 down 6.30
hauling in 6.35 up 6.40
240 fms. out

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1118

Date, Aug 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat 40° 03' N

Long. 70° - 43' W

Time of day, 6 20 P.M. of tide.

State of sky, fc

Temperature of air, 74

" surface of water, 72

" at depth of fathoms,

" of bottom, 49

Depth, in fathoms, 76

Nature of bottom, fine sand

Direction of ~~surface current~~ Wind N force 2

~~Force of surface current~~ Drift N.N.W 1/4'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1119

REMARKS.

Trawl over 6.37 drum 6.41
leaving in 7.12 up 7.22
215 fms. out.
At 5.22 got 2 sounding in 56 fms

Large Neptunea decemcostata.

Archaeteuthis Americanus

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1119

Date, Aug. 26 1882

Locality, Off Nantucket

Bearings. Lat. 40° 08' N

Long. 68° - 45° W

Time of day, 6.32 A M of tide,

State of sky, fc

Temperature of air, 68

" surface of water, 65°

" at depth of 5° fathoms, 65°

" of bottom, 48

Depth, in fathoms, 97

Nature of bottom, sand & broken shells

Direction of ~~surface current~~ Wind N NE. force 3

Force of ~~surface current~~ Drift N.E. 1/2 N 3/4

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1120

REMARKS.

Transit over 7.59 dom 8.03
leaving in 8.30 wh 8.45

Lots of Astrophyton Lamarckii
not before taken by us.
Dolium Bairdii, frag.
Neptunea decemcostata
Sipho Steinpaeni
Buccinum undatum
Sipho pubescens
Admetopsis paradoxa
Doris complanata
Hyalinoecia artifex
Diplotrochus multipes
Bicorbis lyrifera
Bolocera Tuediae
Porania spinulosa
Archaster Agassizii

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1120

Date, Aug. 26 1882

Locality, Off Nantucket

Bearings, Lat 40° - 05' N
Long. 68° - 48' W

Time of day, 7 42 A.M. of tide,

State of sky, fc

Temperature of air, 69

" surface of water, 65

" at depth of 5 fathoms, 65, at 10 56

" of bottom, 49 1/2

Depth, in fathoms, 194

Nature of bottom, fine sand & stones

Direction of ~~surface current~~, Wind N.N.E. force 9

~~Force of surface current~~, Drift N.W. 1 1/2

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Trawl over 9.18 down 9.28
leaving in 9.48 up 10.05
850 fms. out.

Large lot Ophiacantha
millespina
Bolocera Tuediae lot;
Hyalinoecia artifex
Dolium Bairdii frag.
Pecten vitreus
Velicina callosa
Paramuricea borealis
Antedum dendalum.
Porania frandis. / very
large. Taken home alive
Solaster Earllii. large
Lophaster furcifer
(very rare) This and
last not taken in
this region before

TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1121

Date, Aug 26 1882

Locality, Off Nantucket

Bearings, Lat. 40°-04 N

Long. 68°-49' W

Time of day, 9.05 A.M. of tide,

State of sky, bc

Temperature of air, 65

" surface of water, 65

" at depth of 5 fathoms, 64 10 fms 66

" of bottom, 41 1/2

Depth, in fathoms, 294

Nature of bottom, fine sand & fossil stones

Direction of ~~surface current~~, Wind NNE force 4

~~Force of surface current~~, Drift W-NW 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.